

COMBINED DECLARATION FOR PATENT APPLICATION & POWER OF ATTORNEY

ATTORNEY'S DOCKET NO.
18197.00064

As a below named inventor, I hereby declare that:
The information given herein is true;
My residence, post office address and citizenship are as stated below next to my name;
I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if plural names are listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

"Floating Point Unit Pipeline Synchronized with Processor Pipeline"

the specification of which (check only one item below):

- ☐ is attached hereto;
- ☒ was filed on January 31, 1996 as United States
Application Serial No. 08/594,763
and was amended on _____ (if applicable).
- ☐ was filed on _____ as PCT International
Application Serial No. _____
and was amended under PCT Article 19 _____ (if applicable).

I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America having a filing date before that of the application(s) on which priority is claimed.

FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 (6 if a Design) MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION THE PRIORITY OF WHICH WHERE PERMITTED IS HEREBY CLAIMED UNDER 35 U.S.C. SEC. 119

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day,month,year)	DATE OF ISSUE (day,month,year)	PRIORITY CLAIMED	
				yes	no
				yes	no
				yes	no

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.


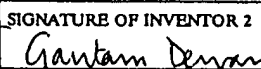
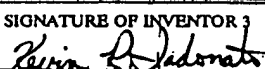
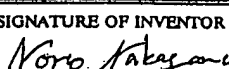
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COMBINED DECLARATION FOR PATENT APPLICATION & POWER OF ATTORNEY - Continued			ATTORNEY'S DOCKET NO. 18197.00064	
U.S. APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS		

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or Agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.
David L. Fehrman Reg. No. 28,600; David L. Henty Reg. No. 31,323; William J. Robinson Reg. No. 29,430; Stuart L. Merkadeau Reg. No. 33,262; David B. Abel Reg. No. 32,394; Hisako Muramatsu Reg. No. 34,955; Joseph T. Fitzgerald Reg. No. 33,881; Brian M. Berliner Reg. No. 34,549; David J. Meyer Reg. No. 33,425; Mitchell P. Brook Reg. No. 32,967; Lawrence W. Granatelli Reg. No. 32,228; Vincent J. Belusko Reg. No. 30,820; Laura A. Majerus Reg. No. 33,417; Robert Desmond Reg. No. 38,430; Minda Schechter Reg. No. 38,296; Warren P. Kujawa Reg. 25,142; Marc E. Hankin Reg. No. 38,908; Marcus Delgado Reg. No. 38,122; Thomas F. Smegal Reg. No. 20,732; Peter U.P. Eng Reg. No. 39,666; E. Russell Tarleton Reg. No. 31,800
Send correspondence to: **GRAHAM & JAMES LLP** Direct Telephone Calls to:
600 Hansen Way Lawrence W. Granatelli - 415-856-6500
Palo Alto, CA 94306

1	FULL NAME OF INVENTOR	LAST NAME BISWAS	FIRST NAME PRASENJIT	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY SARATOGA	STATE OR FOREIGN COUNTRY CALIFORNIA	COUNTRY OF CITIZENSHIP INDIA	
	POST OFFICE ADDRESS	STREET 20167 PAMPAS COURT	CITY SARATOGA	STATE OR COUNTRY CALIFORNIA	ZIP CODE 95070
2	FULL NAME OF INVENTOR	LAST NAME DEWAN	FIRST NAME GAUTAM	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY CUPERTINO	STATE OR FOREIGN COUNTRY CALIFORNIA	COUNTRY OF CITIZENSHIP INDIA	
	POST OFFICE ADDRESS	STREET 20800 HOMESTEAD ROAD APT # 15K	CITY CUPERTINO	STATE OR COUNTRY CALIFORNIA	ZIP CODE 95014
3	FULL NAME OF INVENTOR	LAST NAME IADONATO	FIRST NAME KEVIN	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY SAN JOSE	STATE OR FOREIGN COUNTRY CALIFORNIA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 678 GALLEON COURT	CITY SAN JOSE	STATE OR COUNTRY CALIFORNIA	ZIP CODE 95133
4	FULL NAME OF INVENTOR	LAST NAME NAKAGAWA	FIRST NAME NORIO	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY TOKYO 187	STATE OR FOREIGN COUNTRY JAPAN	COUNTRY OF CITIZENSHIP JAPAN	
	POST OFFICE ADDRESS	STREET 20-1 JOSUIHON-CHO 5 CHOME KODAIRA-SHI	CITY TOKYO 187	STATE OR COUNTRY JAPAN	ZIP CODE

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1	SIGNATURE OF INVENTOR 2	SIGNATURE OF INVENTOR 3	SIGNATURE OF INVENTOR 4
			
DATE 06/11/96	DATE 6/7/96	DATE June 7, 1996	DATE Jun 13, 1996

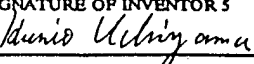
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Send correspondence to: **GRAHAM & JAMES LLP**
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5	FULL NAME OF INVENTOR	LAST NAME UCHIYAMA	FIRST NAME KUNIO	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY TOKYO 185	STATE OR FOREIGN COUNTRY JAPAN	COUNTRY OF CITIZENSHIP JAPAN	
	POST OFFICE ADDRESS	STREET 1-280, HIGASHI-KOIGAKUBO KOKUBUNJI-SHI	CITY TOKYO 185	STATE OR COUNTRY JAPAN	ZIP CODE
6	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
7	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
8	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
<p>I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>					
SIGNATURE OF INVENTOR 5		SIGNATURE OF INVENTOR 6		SIGNATURE OF INVENTOR 7	
 DATE June 13, 1996		DATE 		DATE 	

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**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 27, 1996

PTAS

GRAHAM & JAMES LLP
LAWRENCE W. GRANATELLI
600 HANSEN WAY
PALO ALTO, CA 94304-1043



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**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/01/1996

REEL/FRAME: 8016/0543
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
BISWAS, PRASENJIT

DOC DATE: 06/11/1996

ASSIGNOR:
DEWAN, GAUTAM

DOC DATE: 06/07/1996

ASSIGNOR:
IADONATO, KEVIN

DOC DATE: 06/07/1996

ASSIGNOR:
NAKAGAWA, NORIO

DOC DATE: 06/13/1996

ASSIGNOR:
UCHIYAMA, KUNIO

DOC DATE: 06/13/1996

ASSIGNEE:
HITACHI MICRO SYSTEMS, INC.
179 EAST TASMAN DRIVE
SAN JOSE, CALIFORNIA 95134

DATES ENTERED: NO action

OCT 02 1996

CALENDAR

BY KLM
ATTORNEY
GRAHAM & JAMES (PA) IP DEPT.

8016/0543 PAGE 2

SERIAL NUMBER: 08594763
PATENT NUMBER:

FILING DATE: 01/31/1996
ISSUE DATE:

REGINA COATES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

Attorney's Docket No. 18197.00064

(1) Prasenjit Biswas (5) Kunio Uchiyama
 (2) Gautam Dewan (6) _____
 (3) Kevin Ladonato (7) _____
 (4) Norio Nakagawa (8) _____

For good and valuable consideration paid to each of the undersigned, receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

(9) Hitachi Micro Systems, Inc.
 (10) Delaware
 (11) of 179 East Tasman Drive, San Jose, California 95134
 (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) "Floating Point Unit Pipeline Synchronized with Processor Pipeline"
(Serial No. 08/594,763) (Case No. 18197.00064)
 for which the undersigned has (have) executed an application for patent in the United States of America

(13) on June 7, 11 & 13, 1996

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s)

David L. Fehrman, Reg. No. 28,600; David L. Henty, Reg. No. 31,323; William J. Robinson, Reg. No. 29,430; Stuart L. Merkadeau, Reg. No. 33,262; David B. Abel, Reg. No. 32,394; Hisako Muramatsu, Reg. No. 34,955; Joseph T. Fitzgerald, Reg. No. 33,881; Brian M. Berliner, Reg. No. 34,549; David J. Meyer, Reg. No. 33,425; Mitchell P. Brook, Reg. No. 32,967; Lawrence W. Granatelli, Reg. No. 32,228; Vincent J. Belusko, Reg. No. 30,820; Laura Majerus, Reg. No. 33,417; Robert Desmond, Reg. No. 38,430; Minda Schechter, Reg. No. 38,296; Marc E. Hankin, Reg. No. 38,908; and Marcus Delgado, Reg. No. 38,122; Warren Kujawa Reg. 25,142; Thomas F. Smegal Reg. No. 20,732; U.P. Peter Eng Reg. No. 39,666; E. Russell Tarleton, Reg. No. 31,200.

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 06/11/96 Name of Inventor: Prasenjit Biswas (SEAL)
 Date: 6/7/96 Name of Inventor: Gautam Dewan (SEAL)
 Date: June 7, 1996 Name of Inventor: Kevin Ladonato (SEAL)
 Date: June 13, 1996 Name of Inventor: Norio Nakagawa (SEAL)
 Date: June 13, 1996 Name of Inventor: Kunio Uchiyama (SEAL)
 Date: _____ Name of Inventor: _____ (SEAL)

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Patent and Trademark OfficeRECORDATION FORM COVER SHEET
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Prasenjit Biswas
Gautam Dewan
Kevin Iadonato
Norio Nakagawa
Kunio UchiyamaAdditional name(s) of conveying party(ies) attached? ☐ yes ☒ no

2. Name and address of receiving party(ies):

Name: Hitachi Micro Systems, Inc.

Internal Address: _____

3. Name of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: June 7, 11 & 13 1996Street Address: 179 East Tasman DriveCity San Jose State CA ZIP 95134Additional name(s) & address(es) attached? ☐ yes ☒ no

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 08/594,763

B. Patent No.(s) _____

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Graham & James LLP

Internal Address: _____

Street Address: 600 Hansen WayCity: Palo Alto State: CA ZIP: 94304-1043

050 TL 07/03/96 08594763

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account
any deficiencies

8. Deposit account number: _____

05-0150

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lawrence W. Granatelli, Reg. No. 32,228

Name of Person Signing

Signature

Date

6/25/96Total number of pages comprising cover sheet: 1

OMB No. 0651-0011 (exp. 4/94)

Attorney Docket No. 18197.00064

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231